

Amendments to the Claims:

The text of all pending claims, (including withdrawn claims) is set forth below. Canceled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (canceled), (withdrawn), (new), (previously presented), or (not entered).

Applicants reserve the right to pursue any canceled claims at a later date.

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) An arrangement for a wireless connection of terminal devices to a communication system, comprising:

a data packet network for the transmission of data packets using network addresses valid within the network;

at least one transition device coupled to the data packet network, to which at least one short-range radio module is coupled, the transition device having a coupling table with terminal device addresses of terminal devices located within the radio range of at least one short-range radio module;

a server coupled to the data packet network for controlling connections to the terminal devices, the server having an allocation table comprising for each transition device: an aligned copy of the coupling table and a network address for the respective transition device such that the address is associated with the copied table~~in which a network address of the particular transition device is allocated in each case to a terminal device address of a terminal, to which transition device a short range radio module in whose radio range this terminal device is located, is~~ coupled; and

a packet-based alignment protocol for the dynamic alignment of the allocation table with the coupling table,

wherein via the alignment protocol the coupling table is transmitted to the server to dynamically update the allocation table thereby aligning the copy of the coupling table in the allocation table.

2. (previously presented) An arrangement in accordance with Claim 1, wherein the data packet network is realized by a network based on an Internet protocol.
3. (previously presented) An arrangement in accordance with claim 1, wherein the transition device comprises a translator for translation between a network protocol used in the data packet network and a protocol specific to a radio module.
4. (currently amended) An arrangement in accordance with Claim 3, wherein the translator comprises a detection device for detecting, ~~by means of~~via the network protocol used, which terminal device-specific application a connection to a terminal device is allocated to, in order to be able to perform an application-specific protocol conversion accordingly.
5. (previously presented) An arrangement in accordance with Claim 3, wherein the protocol specific to a radio module having a specific voice interface and a specific data interface
6. (previously presented) An arrangement in accordance with claim 1, wherein a module based on an IEEE 802.15.1 standard is used as a short-range radio module.
7. (previously presented) An arrangement in accordance with claims 1, wherein a locating device uses the allocation table for determining a momentary location of a particular terminal
8. (previously presented) An arrangement in accordance with claim 1, wherein a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network.
9. (previously presented) An arrangement in accordance with claim 1, further comprising a headset as a terminal device for voice connections.

10. (previously presented) An arrangement in accordance with claim 1, further comprising a PDA (Personal Digital Assistant) as a terminal device for data connections.

11. (previously presented) An arrangement in accordance with claim 1, further comprising a PDA (Personal Digital Assistant) as a terminal device for entering destination addresses for outgoing connections and for initiating those connections.

12. (previously presented) An arrangement in accordance with claim 2, wherein the transition device comprises a translator for translation between a network protocol used in the data packet network and a protocol specific to a radio module.

13. (previously presented) An arrangement in accordance with Claim 4, wherein the protocol specific to a radio module having a specific voice interface and a specific data interface.

14. (previously presented) An arrangement in accordance with claim 2, wherein a \_module based on an IEEE 802.15.1 standard is used as a short-range radio module.

15. (previously presented) An arrangement in accordance with claim 3, wherein a module based on an IEEE 802.15.1 standard is used as a short-range radio module.

16. (previously presented) An arrangement in accordance with claim 2, wherein a locating device uses the allocation table for determining a momentary location of a particular terminal.

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17. (previously presented) An arrangement in accordance with claim 2, wherein a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network.